

Claims

1. A reclining module for a recliner with two side frames, the reclining module comprising a backrest frame for pivotal connection with the side frames, a stool frame for pivotal connection with the side frames, a principal link connected between the backrest frame and the stool frame, and a hydraulic cylinder connected between the backrest frame and the stool frame, the hydraulic cylinder including a handle movable from a first position where the hydraulic cylinder cannot be extended and withdrawn to a second position where the hydraulic cylinder can be extended and withdrawn.
2. The reclining module of claim 1 wherein the backrest frame includes two plates each for attachment to related one of the side frames and two links each pivotally connected with related one of the plates.
3. The reclining module of claim 2 wherein the backrest frame includes a crossbar connected between the links thereof.
4. The reclining module of claim 1 wherein the stool frame includes two linkages each for pivotal connection with related one of the side frames.
5. The reclining module of claim 4 wherein the stool frame includes a crossbar connected between the linkages.
6. The reclining module of claim 5 wherein each of the linkages includes a plate for attachment to related one of the side frames, a first link pivotally connected with the plate, a second link pivotally connected with the first link, a third link pivotally connected with the plate and a fourth link pivotally connected with the third link.
7. The reclining module of claim 6 wherein each of the linkages

1 includes a bracket pivotally connected with both of the second link
2 and the fourth link for supporting a stool plate.

3 8. The reclining module of claim 6 wherein the crossbar is connected
4 between the first links of the linkages.

5 9. The reclining module of claim 1 including two principal links.

6 10. The reclining module of claim 9 wherein the backrest frame includes
7 two plates each for attachment to related one of the side frames and
8 two links each pivotally connected with related one of the plates, and
9 the stool frame includes two linkages each connected with related
10 one of the links of the backrest frame via related one of the principal
11 links.

12 11. The reclining module of claim 10 wherein the hydraulic cylinder is
13 connected between one of the links of the backrest frame and one of
14 the linkages of the stool frame.

15 12. The reclining module of claim 10 wherein each of the linkages
16 includes a plate for attachment to related one of the side frames, a
17 first link pivotally connected with the plate thereof, a second link
18 pivotally connected with the first link, a third link pivotally
19 connected with the plate thereof and a fourth link pivotally
20 connected with the third link.

21 13. The reclining module of claim 12 wherein each of the linkages
22 includes a bracket pivotally connected with both of the second link
23 and the fourth link for supporting a stool plate.

24 14. The reclining module of claim 12 wherein each of the principal links
25 is connected between related one of the links of the backrest and the
26 first link of related one of the linkages of the stool frame.

1 15. The reclining module of claim 12 wherein the hydraulic cylinder is
2 connected between one of the links of the backrest frame and the
3 plate of one of the linkages of the stool frame.
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